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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,096	03/30/2004	Inching Chen	884.B98US1	7282

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EXAMINER

CHANG, RICHARD

ART UNIT	PAPER NUMBER
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2616

MAIL DATE	DELIVERY MODE
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06/29/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/814,096

Applicant(s)

CHEN ET AL.

Examiner

Richard Chang

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 10/31/05, 1/1/07.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-27 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by US patent No. 5,802,051 ("Petersen et al.").

Regarding claim 1, Petersen et al teaches a method for multiplexing segmented user voice and data packets into mini-cells comprising of

generating a set of associated router packets (202 mini-cells) from a function packet (305 user data, voice or data packets) received from a function packet source (user–end), wherein each router packet (202 mini-cells) has a router packet data length that is less than or equal to a function packet length (305 user data length to be segmented), and

sending the set of associated router packets (202 mini-cells) to a router (See Fig. 3, Col.2, lines 16-27).

Regarding claims 2-3, 12, 15, 18, 21 and 25, Petersen et al further teaches that a header (401) of a router packet indicates a function packet length (410) that is larger

Art Unit: 2616

than or equal to the router packet data length (305) and re-assembling a function packet (305) from the set of associated router packets from the source router to destination router and the destination adaptor (generic SAR 201 and AAD 202 function layers, See Fig. 2) generating a re-assembled function (202 disassembling) packet from the set of associated router packets (by removing headers from the router packets) (See Fig. 4, Col. 2, lines 28-51).

Regarding claims 4, 13, 16, 19, 22 and 26, Petersen et al further teaches that at the receiving end, removing the router packet header (401) of each packet of the set of associated router packets (400) (See Fig. 4, Col. 2, lines 28-51).

Regarding claims 5, 14, 17, 20, 23-24 and 27, Petersen et al further teaches that sending the function packet (810) when a quantity of re-assembled router packet data segments after removing headers) is equal to the function packet length (810) (See Fig. 8, Col. 7, lines 38-64).

Regarding claims 6-8, Petersen et al further teaches that dynamically adjusting the pre-stored function packet length information (810 with trailing pads) based on system performance measurements by trailer (815) (See Fig. 8, Col. 7, lines 38-64).

Regarding claims 9-11, Petersen et al further teaches that selecting a next segment (801) of the function packet (810) with a segment length that is related to the

Art Unit: 2616

router packet data length (805) and repeat until all of the function packet has been included in the set of associated router packets (removing headers) (See Fig. 8, Col. 7, lines 38-64).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on (571) 272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


rkC

Richard Chang
Patent Examiner
Art Unit 2616


6/25/07
WING CHAN
SUPERVISORY PATENT EXAMINER